

May 19-20, 2015

**California State University
San Diego State University
Engineering and Interdisciplinary Sciences Complex Project**

Mitigation Monitoring And Reporting Program

**(Pursuant to Public Resources Code Section 21081.6,
And State CEQA Guidelines Section 15097)**

Project Files May be Reviewed at:

**California State University
San Diego State University
Facilities Planning, Design and Construction
5500 Campanile Drive
San Diego, CA 92182**

MITIGATION MONITORING AND REPORTING PROGRAM

I. INTRODUCTION

This Mitigation Monitoring and Reporting Program ("MMRP") has been prepared in conformance with the California Environmental Quality Act ("CEQA;" Public Resources Code § 21000 et seq.), and specifically Public Resources Code section 21081.6 and section 15097 of the State CEQA Guidelines (Cal. Code Regs., tit. 14, § 15000 et seq.). The MMRP establishes the framework that California State University/San Diego State University ("CSU/SDSU") will use to implement the mitigation measures adopted in connection with approval of the Engineering and Interdisciplinary Sciences Complex Project, and the monitoring/reporting of such implementation. "Monitoring" is generally an ongoing or periodic process of project oversight. "Reporting" generally consists of a written compliance review that is presented to the decision-making body or authorized staff person.

It is the intent of this program to: (1) provide a framework to document implementation of the required mitigation; (2) identify monitoring/reporting responsibility; (3) establish the frequency and duration of monitoring/reporting; (4) provide a record of the monitoring/reporting; and (5) ensure compliance with those mitigation measures that are within the responsibility of CSU/SDSU to implement. The CSU Board of Trustees has adopted the mitigation measures as binding conditions of approval, and they are fully enforceable by the Board.

The following table lists each of the mitigation measures adopted by the CSU Board of Trustees in connection with approval of the Engineering and Interdisciplinary Sciences Complex Project, the project phase during which the measure is to be implemented, the person/agency responsible for implementing and monitoring implementation of the measures, the frequency of monitoring and reporting, and the status of compliance with the mitigation measure.

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
AESTHETICS					
AES-1	During construction activities associated with the Proposed Project, CSU/SDSU shall ensure that temporary construction-related security lighting is arranged so that direct rays will not shine on or produce glare for adjacent street traffic and residential uses.	Construction	Campus Construction Manager	Ongoing, during construction	Not completed
AES-2	In order to minimize impacts from lighting, CSU/SDSU shall ensure that all permanent light fixtures installed as part of the Proposed Project are shielded and directed away from sensitive viewers. Motion-sensor lighting with bi-level switching features shall be used in order to reduce the amount of constant light, especially during the late evening and early morning hours, and at times in which the facilities are not occupied. Lighting fixtures shall be designed and implemented to provide illumination appropriate for the level of activity. Project lighting also shall be consistent with the lighting policies contained in San Diego State University's Physical Master Plan.	Pre-Construction; Construction; Occupancy	Campus Project Manager; Project Architect	Ongoing, prior to construction, during construction and during occupancy	Not completed
BIOLOGICAL RESOURCES					
BIO-1	CSU/SDSU, or its designee, shall conduct pre-construction nesting bird surveys prior to commencing ground-disturbing construction activities or the removal of on-site vegetation or building eaves. If any nesting birds are found during these surveys, a 300-foot buffer (or a buffer deemed	Pre-construction	Campus Project Manager; Project Architect	No more than seven days prior to the initiation of the removal of vegetation;	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	appropriate by a qualified biologist) shall be established around the nest where no construction activities can occur until the young have fledged. Once the young have fledged, construction activities can resume without the buffer.			construction	
CULTURAL RESOURCES					
CUL-1	Protection of the Adjacent San Diego State College Historic District. Prior to the commencement of construction activities associated with the Proposed Project, CSU/SDSU, or its designee, shall develop and incorporate into all demolition and construction plans specific measures to protect the portions of the historic district adjacent to the project site. The measures shall be developed in compliance with the <i>Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings</i> (the "Secretary of the Interior's Standards"). Such measures shall include stabilization of historic windows to protect them from the effects of vibration; protection of historic building materials; protection of walkways and landscaped areas within the district from construction equipment by ensuring that they are not used as staging areas or as access routes; and preservation of the National Register of Historic Places (NRHP) district contributing Works Progress Administration benches (some of which are currently situated near buildings proposed	Design; Pre-construction; Construction	Campus Project Manager; Project Architect	Ongoing, during design and pre-construction; construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>for demolition).</p> <p>Of particular importance is the existing Physical Sciences Building (an NRHP-listed district contributor), which connects directly to the Engineering Laboratory Building and Industrial Technology Building (proposed for demolition). Care shall be taken to ensure that the adjacent elements of the original district buildings, including the exposed wooden posts, Spanish roof tiles, and other connecting materials, are not damaged or altered during demolition and construction of the adjacent buildings. Additionally, the existing Power Plant Building (an NRHP-listed district contributor) is very close to the Facilities Services Building / Quonset Hut (proposed for demolition). Demolition and construction plans shall detail how these elements will be protected and shall comply with the Secretary of the Interior's Standards. Contractors shall be given a brief worker awareness training to ensure that all individuals working on the project are aware of the historic district and understand which areas should be avoided during construction.</p> <p>Finally, all design plans for new construction shall be compatible with the architectural character of the district in order to protect its historic integrity and setting, and shall be consistent with the Secretary of the Interior's Standards.</p>				

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
CUL-2	<p>Unanticipated Discovery of Archaeological Resources. Subsequent to demolition and removal of existing structures and pavement from the site of the Proposed Project, CSU/SDSU, or its designee, shall retain a qualified archaeologist (i.e., one listed on the Register of Professional Archaeologists) to complete an archaeological survey of ground surfaces within the project area. In the event the survey identifies potentially intact concentrations of prehistoric archaeological materials, focused data recovery archeological excavations shall be undertaken prior to the commencement of construction in the area of concern. A qualified Native American representative shall be retained to observe all focused data recovery excavations, if any. The focused excavations shall characterize: horizontal and vertical dimensions; chronological placement; site function; artifact/ecofact density and variability; presence/absence of subsurface features; research potential extent; and the integrity of the resources.</p> <p>If the archaeological site is determined to be a historical resource within the meaning of CEQA Guidelines Section 15064.5(a), the archaeologist shall comply with CEQA Guidelines Section 15126.4(b)(3)(A), which notes that preservation in place, where feasible, is the preferred mitigation</p>	Pre-construction; Construction	Campus Project Manager; Project Architect	Ongoing, during pre-construction and construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>approach, or, alternatively, CEQA Guidelines Section 15126.4(b)(3)(C), which requires preparation and adoption of a data recovery plan, as well as the submittal of all plans and studies to the California Historical Resources Regional Information Center. Alternatively, if the archaeological site qualifies as a unique archaeological resource (see CEQA Guidelines Section 15064.5(c)(3)), the archaeologist shall treat the site in accordance with the provisions of Public Resources Code Section 21083.2.</p> <p>All excavations and excavation and monitoring reports shall be completed consistent with California Office of Historic Preservation's Archeological Resources Management Reports: Recommended Contents and Format. The archaeological excavation and monitoring reports shall include all appropriate graphics, describing the results, analysis, and conclusions of the monitoring and excavation. All original maps, field notes, non-burial related artifacts, catalog information, and final reports shall be curated at a qualified institution within San Diego County, that complies with the State Historic Resource Commission's 1993 Guidelines for the curation of archaeological collections, as applicable.</p>				
CUL-3	<p>Unanticipated Discovery of Paleontological Resources. Prior to the commencement of construction activities associated with the Proposed Project, CSU/SDSU, or its designee, shall retain a</p>	Pre-construction;	Campus Project Manager; Project	Ongoing, during pre-construction, construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>qualified paleontologist. The qualified paleontologist shall coordinate with the grading and excavation contractors, acting in accordance with the Society of Vertebrate Paleontology's Guidelines, and monitor all on-site activities associated with the original cutting of previously undisturbed sediments of Moderate to High resources sensitivity in order to inspect such cuts for contained fossils.</p> <p>In the event that the monitoring results in the discovery of potentially unique paleontological resources within the meaning of Public Resources Code Section 21083.2, the qualified paleontologist will have the authority to halt excavation at that location and immediately evaluate the discovery. Following evaluation, if the resource is determined to be "unique" within the meaning of Public Resources Code Section 21083.2, the site shall be treated in accordance with the provisions of that section. Mitigation appropriate to the discovered resource, including recovery, specimen preparation, data analysis, and reporting, shall be carried out in accordance with the Society of Vertebrate Paleontology guidelines prior to resuming grading activities at that location. Grading activities may continue on other parts of the building site while appropriate mitigation is implemented.</p> <p>Recovered fossils, along with copies of pertinent field</p>		Architect		

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	notes, photographs, and maps, shall be deposited in an accredited paleontological collections repository. A final summary report that discusses the methods used, stratigraphy exposed, fossils collected, and significance of recovered fossils also shall be prepared in a manner that is consistent with the Society of Vertebrate Paleontology guidelines.				
CUL-4	<p>Unanticipated Discovery of Human Remains. If, during any phase of construction of the Proposed Project, there is the discovery or recognition of any human remains in any location other than a dedicated cemetery, the following steps, which are based on Public Resources Code Section 5097.98, shall be taken (Cal. Code Regs., tit. 14, §15064.5(e)(1)):</p> <p>1. There will be no further excavation or disturbance of the site or any nearby area reasonably susceptible to overlying adjacent human remains until:</p> <p>a. The San Diego County Coroner is contacted to determine that no investigation of the cause of death is required; and</p> <p>b. If the Coroner determines the remains to be Native American:</p> <p>i. The Coroner shall contact the Native</p>	Construction	Campus Project Manager; Project Architect	Ongoing, during construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>American Heritage Commission within 24 hours.</p> <p>ii. The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descendant from the deceased Native American; and</p> <p>iii. The most likely descendent may make recommendations to CSD/SDSU for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code Section 5097.98, or,</p> <p>2. Where the following conditions occur, CSU/SDSU, or its designee, shall rebury the Native American human remains and associated grave good with appropriate dignity on the property in a location not subject to further subsurface disturbance (Cal. Code Regs., tit. 14, §15064.5(e)(2)):</p> <p>a. The Native American Heritage Commission is unable to identify a most likely descendant or the most likely descendant failed to make a recommendation within 24 hours after</p>				

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	<p>being notified by the Commission.</p> <p>b. The descendant identified fails to make a recommendation; or</p> <p>c. CSU/SDSU, or its designee, rejects the recommendation of the descendant, and mediation by the Native American Heritage Commission fails to provide measures acceptable to CSU/SDSU.</p>				
GEOLOGY AND SOILS					
GEO-1	<p>Prior to the commencement of design and construction activities relating to the Proposed Project, CSU/SDSU, or its designee, shall conduct, or cause to be conducted, a geotechnical investigation in conformance with the requirements of the California Building Code ("CBC") and International Building Code ("IBC"). The site-specific geotechnical investigations will include, to the extent required by the CBC and IBC, subsurface exploration, laboratory testing, and geotechnical analysis. The investigations will address the potential for landslides/slope instability, erosion, unconsolidated soils, expansive soils, groundwater seepage, flood inundation and seismic shaking. An evaluation of the suitability of the on-site soils and rock for use as fill also shall be made during the site-specific geotechnical studies. (Reference shall be made to Section 300 of the</p>	Design, pre-construction	Campus Project Manager; Project Engineer	Ongoing, during design, pre-construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>“Greenbook,” which provides specifications of typical fill materials and their typical maximum allowed dimensions.)</p> <p>Based on the results of the site-specific investigations, geotechnical design recommendations shall be developed and included in the design and construction of the Proposed Project in conformance with applicable regulatory guidelines, including CBC and IBC requirements.</p>				
GEO-2	<p>During project design and construction activities, CSU/SDSU, or its designee, shall use proper grading techniques (with appropriate compaction efforts) and stormwater pollution prevention devices (per regulatory agency guidelines), revegetate disturbed areas, and construct appropriate drainage provisions to reduce the potential for erosion on the Project site, in conformance with applicable regulatory guidelines, including CBC and IBC requirements. Additionally, CSU/SDSU, or its designee, shall periodically remove accumulated eroded soils and debris from surface drains, as needed.</p>	Design, pre-construction, construction	Campus Project Manager; Project Engineer	Ongoing, during design, pre-construction, construction	Not completed
GEO-3	<p>During grading activities associated with development of the Proposed Project, CSU/SDSU, or its designee, shall require that compressible soils present on the site be removed where structural fill areas are underlain by unconsolidated soils and replaced with properly compacted or deep</p>	Pre-construction, construction	Campus Project Manager; Project Engineer	Ongoing, during pre-construction, construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	foundation systems, which extend through the compressible soils and are supported by the underlying firm natural soils, in conformance with applicable regulatory guidelines, including CBC and IBC requirements.				
GEO-4	During grading activities associated with development of the Proposed Project, CSU/SDSU, or its designee, shall prohibit the placement of expansive soils within the upper few feet of finished grade, or mandate that "special" deepened and/or stiffened foundation systems for proposed structures be utilized, in conformance with applicable regulatory guidelines, including CBC and IBC requirements. Surface and subsurface drainage provisions also may be implemented to reduce moisture fluctuations in subgrade soils.	Pre-construction, construction	Campus Project Manager; Project Engineer	Ongoing, during pre-construction, construction	Not completed
GEO-5	To the extent the geotechnical investigation conducted pursuant to Mitigation Measure GEO-1 concludes that groundwater/seepage issues are present on the Project site, CSU/SDSU, or its designee, shall design and construct subsurface and surface drains in filled areas and behind retaining walls, in conformance with applicable regulatory guidelines, including CBC and IBC requirements. In addition, the shoring and dewatering of excavations, as needed, shall be undertaken to reduce the potential for caving of excavations due to groundwater seeps.	Design, pre-construction, construction	Campus Project Manager; Project Engineer	Ongoing, during design, pre-construction, construction	Not completed
GEO-6	During design of the Proposed Project, CSU/SDSU, or	Design	Campus	Ongoing,	Not

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	its designee, shall adhere to current design parameters of the CBC (including, but not limited to, CBC Chapters 16 and 18) in order to reduce the effects of seismic shaking.		Project Manager; Project Architect; Project Engineer	during design	completed
GEO-7	During site grading activities associated with Proposed Project build-out, CSU/SDSU, or its designee, shall require the appropriate control of surface waters and soil containment on disturbed ground surfaces in conformance with applicable regulatory guidelines, including CBC and IBC requirements, in order to reduce construction-related mudflows.	Construction	Campus Construction Manager; Project Engineer	Ongoing, during construction	Not completed
HAZARDS AND HAZARDOUS MATERIALS					
HAZ-1	During construction and operational activities associated with the Proposed Project, CSU/SDSU, or its designee, (e.g., the general contractor, the SDSU Department of Environmental Health and Safety, etc.) shall require that all contractors operate in compliance with applicable hazardous materials and waste regulations, including regulations regarding the handling, storage and disposal of hazardous materials and wastes, in order to prevent accidents and ensure hazardous materials are not released into the environment and are utilized in compliance with applicable storage and containment regulations.	Pre-Construction; Construction	Campus Construction Manager	Ongoing, during pre-construction and construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>Hazardous materials shall not be disposed of or released onto the ground, the underlying groundwater, or any surface water. Totally enclosed containment containers shall be provided for all hazardous waste-related trash. All potentially hazardous waste shall be removed to a waste facility permitted to treat, store, or dispose of such materials. Hazardous materials spill kits shall be maintained on site for small spills.</p> <p>Prior to commencement of any project construction, including grading, excavation, or trenching activities, CSU/SDSU, or its designee, shall prepare a hazardous substance management, handling, storage, disposal, and emergency response plan specific to construction activities in compliance with all applicable federal, state and local regulations.</p>				
HAZ-2	<p>Prior to commencement of project construction, including grading, excavation, or trenching activities, CSU/SDSU, or its designee, shall prepare a project-specific construction health and safety plan in compliance with all applicable federal, state and local regulations, to guide construction crews who may encounter previously unknown soil or groundwater contaminants. The plan shall include information about potential contaminants, protocols for reporting suspected contaminants, authority to stop work, and protocols, for conducting further study upon</p>	Pre-construction	Campus Project Manager	Ongoing, during pre-construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	discovery.				
HAZ-3	<p>Prior to the commencement of project construction, including grading, excavation, or trenching activities, in the parking lot areas and beneath the Engineering Labs Building, CSU/SDSU, or its designee, shall direct the project construction contractor to implement the following practices:</p> <ol style="list-style-type: none"> 1. All construction workers who would be involved with grading, excavation, or trenching work shall be trained to recognize visual and olfactory signs of soil and groundwater contamination prior to the start of such soil work activities. 2. All construction workers shall observe the exposed soil and groundwater for visual evidence of contamination throughout soil work activities. 3. If soil contamination indicators are observed during construction, the contractor shall halt work in the immediate vicinity of the discovery and consult a qualified CSU/SDSU environmental health specialist, in conjunction with the SDSU Department of Environmental Health and Safety, who has knowledge of hazardous materials, to ensure the material is properly characterized and appropriate measures are taken to protect human health and the environment, including, if applicable, preparation of a soil remediation or disposal work plan in accordance 	Pre-construction; Construction	Campus Construction Manager	Ongoing, during pre-construction and construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>with San Diego County Department of Environmental Health guidelines for soil remediation activity.</p> <p>4. In the event that contaminated groundwater is encountered during project construction activities, the construction contractor shall document the exact location of the contamination and immediately notify the SDSU Department of Environmental Health and Safety. SDSU shall then comply with all applicable federal, state, and local health and safety requirements for testing, handling, and disposing of contaminated groundwater.</p>				
HAZ-4	<p>Prior to building demolition, CSU/SDSU, or its designee, shall require that an asbestos survey and lead-based paint survey be performed by licensed lead and asbestos contractors. The asbestos and lead-based paint surveys shall be used to define removal quantities, estimate abatement costs, and otherwise refine the scope of work for the removal of asbestos and lead paint, in full compliance with all applicable laws during project demolition.</p>	Pre-construction, demolition, construction	Campus Construction Manager	Ongoing, during pre-construction, construction	Not completed
HAZ-5	<p>Prior to the commencement of excavation activities at or in the vicinity of the Engineering Labs Building, CSU/SDSU, or its designee, shall require that soil samples, in an amount sufficient to adequately determine the extent of potential contamination, be collected and analyzed by a licensed analytical laboratory to determine whether soil contamination</p>	Pre-construction	Campus Construction Manager	Ongoing, during pre-construction	Not completed

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	<p>exists on the site. In the event soil contamination levels are detected above regulatory screening levels (e.g., California Human Health Screening Levels and/or Regional Screening Levels), CSU/SDSU, or its designee, shall direct that the following steps be taken:</p> <ol style="list-style-type: none"> 1. A soil remediation or disposal work plan shall be prepared and approved by a qualified CSU/SDSU environmental health specialist, in conjunction with the SDSU Department of Environmental Health and Safety. The plan shall be prepared in accordance with San Diego County Department of Environmental Health guidelines for soil remediation activity. 2. All contaminated soils shall be removed and fully remediated or properly disposed of in accordance with the remediation or disposal work plan, and all applicable federal, state, and local regulations, including those of the San Diego County Department of Environmental Health. 3. The soil contamination test results shall be used to determine an appropriate construction worker health and safety plan. All contaminated soils shall be removed by personnel who have been trained through appropriate Occupational Safety and Health Administration (OSHA) programs. 				
HAZ-6	Prior to occupation of the new Engineering and	Pre-	Campus	Ongoing,	Not

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	Interdisciplinary Sciences Complex, CSU/SDSU shall take those steps necessary to revise the campus Emergency Operations Plan to incorporate the Proposed Project components. The plan shall also be amended to adequately plan for evacuation of these new campus facilities.	occupancy	Project Manager	during all phases prior to occupancy	completed
HYDROLOGY AND WATER QUALITY					
HYD-1	Construction Stormwater Pollution Prevention Plan. Prior to commencement of construction activities associated with the Proposed Project, CSU/SDSU, or its designee, shall develop a project-specific stormwater pollution prevention plan (SWPPP) consistent with the Construction General Permit (SWRCB Order No. 2009-0009-DWQ). The SWPPP shall be prepared by a qualified individual and must contain site maps that show the construction site perimeter, existing and proposed buildings, lots, roadways, stormwater collection and discharge points, general topography both before and after construction, and drainage patterns across the project site. The SWPPP must list best management practices (BMPs) that will be used to protect stormwater quality throughout the construction phase. The SWPPP must identify the placement of each BMP in accordance with the <i>San Diego Low Impact Development Design Manual</i> . Additionally, the SWPPP must contain a visual monitoring program and a chemical monitoring program for “non-visible” pollutants to	Design, pre-construction, construction	Campus Project Manager; Campus Construction Manager; Project Engineer; Project Architect	Ongoing, during design, pre-construction, construction	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>monitor the effectiveness of the selected BMPs.</p> <p>The following are examples of effective BMPs to be included in the SWPPP as applicable:</p> <ul style="list-style-type: none"> • Silt fences installed along limits of work and/or the project construction site • Stockpile containment (e.g., visqueen, fiber rolls, gravel bags) • Exposed soil stabilization structures (e.g., fiber matrix on slopes and construction access stabilization mechanisms) • Street sweeping • Tire washes for equipment • Runoff control devices (e.g., drainage swales, gravel bag barriers/ chevrons, velocity check dams) shall be used during construction phases conducted during the rainy season. • Storm drain inlet protection • Wind erosion (dust) controls • Tracking controls • Prevention of fluid leaks (inspections and drip pans) from vehicles • Dewatering operations best practices (e.g., 				

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	<p>discharge to landscaped, vegetated, or soil area or into an infiltration basin, so long as the water only contains sediment (no other pollutants); use of vacuum truck to haul the water to an authorized discharge location; or implementation of various methods of treatment on site prior to discharging the water)</p> <ul style="list-style-type: none"> • Materials pollution management • Proper waste management • Regular inspections and maintenance of BMPs <p>The SWPPP must also incorporate the hazards avoidance/minimization mitigation measures outlined in mitigation measures HAZ-1 through HAZ-5, outlined in the Hazards Technical Report (Dudek 2015; Appendix H to this Initial Study). If a cleanup action were required in the vicinity of the Engineering Lab, any discharge of accumulated groundwater or stormwater shall be made in coordination with the San Diego Regional Water Quality Control Board (RWQCB) and in accordance with applicable waste discharge requirements. CSU/SDSU shall implement all guidelines contained in the SWPPP throughout construction of the Proposed Project.</p>				

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HYD-2	<p>Implementation and Maintenance of Low-Impact Design. During design of the Proposed Project, SDSU shall incorporate stormwater pollution control BMPs to reduce pollutants discharged from the project site to the maximum extent practicable. Post-construction pollution prevention shall be accomplished by implementing low-impact design, source control, and treatment control BMPs. The low-impact design features shall be identified and designed consistent with the requirements of the Phase II Small MS4 General Permit (SWRCB Order No. 2013-0001-DWQ). Examples of effective permanent project design BMPs to be incorporated into the project design as applicable include:</p> <ul style="list-style-type: none"> • A hydrodynamic separator shall be used. • Loading dock facilities, if any, shall drain directly to the sanitary sewer. • Interior parking garage floor drains shall be plumbed to the sanitary sewer. • Drainage from rooftops, impervious parking lots, sidewalks, and walkways shall be directed into adjacent landscaping where possible. • Exterior trash and/or recycling areas shall be covered, graded, and paved to preclude 	Design	Campus Project Manager; Campus Construction Manager; Project Engineer; Project Architect	Ongoing, during design	Not completed

Mitigation Measure No.	Mitigation Measures	Project Phase	Person Responsible	Frequency of Monitoring/ Reporting	Compliance
	<p>run-on and runoff from the area.</p> <ul style="list-style-type: none"> • Green roof or flow-through planters with sub-surface drains shall be used. <p>SDSU shall develop a maintenance plan to ensure that permanent design BMPs will be maintained throughout project operation. Examples of maintenance include removal of accumulated sediment and trash, thinning of vegetative brush in biotreatment swales, and maintaining the appearance and general status of the vegetation. The operation and maintenance plan shall include:</p> <ul style="list-style-type: none"> • Responsibilities for managing all stormwater BMPs • Employee training programs and duties to ensure compliance • Operation/routine service schedule (annual inspection of facilities, at minimum) • Maintenance frequency • Specific maintenance activities (including maintenance of stormwater conveyance stamps) • Copies of resource agency permits, as applicable 				

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NOISE					
NOI-1	<p data-bbox="388 358 1092 743">During construction of the Proposed Project, SDSU, or its designee, shall, to the extent feasible, comply with the City of San Diego’s noise ordinance criteria relative to construction activities. Therefore, construction-related activities shall be conducted primarily between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday. In order to minimize construction-related noise and ensure that the 12-hour average sound level does not exceed 75 dB at any academic building, SDSU, or its designee, shall:</p> <ul data-bbox="478 768 1092 1377" style="list-style-type: none"> • Locate noisy equipment as far as possible from the Project site boundaries and nearby occupants of academic buildings. • Install stationary equipment in enclosures. • Equip all construction equipment, fixed or mobile, with properly operating and maintained muffler exhaust systems. • Locate stockpile and vehicle staging areas as far as practical from nearby occupants of academic buildings. • Use quieter (i.e., typically smaller) pieces of equipment while working immediately adjacent to the nearby occupants of academic buildings. 	Construction	Campus Construction Manager	Ongoing, during construction	Not completed

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TRANSPORTATION/TRAFFIC					
TR-1	Upon the commencement of construction activities associated with development of the Proposed Project, CSU/SDSU shall establish an alternative transportation program to reduce the number of construction trade vehicles commuting to the Project site, e.g., a shuttle service operating between a Park n' Ride facility located along Interstate-8 and the SDSU project construction site to provide project construction workers with transportation between the off-campus parking facility and the worksite. CSU/SDSU shall direct that construction worker vehicles be parked at the designated parking facility. The shuttle shall operate during the A.M. and P.M. peak hours in such manner and frequency to accommodate up to a peak number of 155 construction workers.	Pre-Construction; Construction	Campus Project Manager	Ongoing, during pre-construction and construction	Not completed